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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=7; day=25; hr=12; min=14; sec=7; ms=538;]

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Application No: 10581431 Version No: 6.1

Input Set:

Output Set:

Started: 2011-07-25 12:11:31.365
Finished: 2011-07-25 12:11:33.437
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 72 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 78
Actual SeqID Count: 78

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

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Output Set:

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Actual SeqID Count: 78

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> The Scripps Research Institute
Barbas III, Carlos F.
Chung, Junho

<120> INTEGRIN ALPHA.IIB.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> US 10/581,431

<141> 2004-12-03

<150> US 60/526,859

<151> 2003-12-03

<150> PCT/US2004/040381

<151> 2004-12-03

<160> 78

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 1

Cys Ser Phe Gly Arg Gly Asp Ile Arg Asn Cys
1 5 10

<210> 2

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 2

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1 5 10

<210> 3

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>
<221> VARIANT
<222> (3,4,5,9,10,11)
<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 3

Val Gly Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa Tyr Ala Met Asp
1 5 10 15
Val

<210> 4
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 4

Val Val Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 5

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 6

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 7

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 7

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 8
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 8

Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 9
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> primer neo-rad-f

<220>
<221> misc_feature
<222> (25, 26, 28, 29, 31, 32, 43, 44, 46, 47, 49, 50)
<223> n represents a, g, c, or t

<400> 9

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gacgtctggg gc 72

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer dpseq

<400> 10

agaagcgtag tccggAACGT C

21

<210> 11
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47N-term

<400> 11

gctgcccaac cagccatggc cgagggtgcag ctgttggagt ctgggggagg cttggta 57

<210> 12
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47FR3

<400> 12

cactctcgca cagtaataca cggccgtgtc ctggctct 39

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer lead-VH

<400> 13

ggccatggct gggtgggcag C 21

<210> 14
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> primer dp-EX

<400> 14

gaggaggagg aggaggagag aagcgtagtc cggaacgtc 39

<210> 15

<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> primer ompseq

<400> 15

aagacagcta tcgcgattgc agtg 24

<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer leadB

<400> 16

ggccatggct ggttgggcag c 21

<210> 17
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> primer RSC-F

<400> 17

gaggaggagg aggaggaggc ggggcccagg cggccgagct c 41

<210> 18
<211> 21
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<213> Artificial Sequence

<220>
<223> primer lead-B

<400> 18

ggccatggct ggttgggcag c 21

<210> 19
<211> 9
<212> PRT
<213> Homo sapiens

<400> 19

Thr His Ser Arg Ala Asp Arg Arg Glu

<210> 20
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
1 5

<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> (1, 2, 3, 7, 8, 9)
<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 22

Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys
1 5

<210> 24

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys
1 5

<210> 25

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 25

Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15

Val

<210> 26

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 27

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 29

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 30

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 30

Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 31

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 31

Val Gly Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15

Val

<210> 32

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 32

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
65 70 75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
95 100 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 33

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 33

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys

65	70	75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr		
80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp		
95	100	105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 34
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD12 part

<400> 34

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly		
1	5	10
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser		
20	25	30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala		
50	55	60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys		
65	70	75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr		
80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp		
95	100	105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 35
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD34 part

<400> 35

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly		
1	5	10
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser		
20	25	30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala		
50	55	60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys		
65	70	75

Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
95 100 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 36
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD3 part

<400> 36

Glu Val Gln Leu Leu Glu Ser Gly Gly Leu Val Gln Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
65 70 75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
95 100 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 37
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD32 part

<400> 37

Glu Val Gln Leu Leu Glu Ser Gly Gly Leu Val His Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
65 70 75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr

80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp		
95	100	105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 38
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

<400> 38

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly		
1	5	10
		15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser		
20	25	30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala		
50	55	60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln		
65	70	75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr		
80	85	90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp		
95	100	105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr		
110	115	

<210> 39
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 39

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly		
1	5	10
		15
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser		
20	25	30
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu		
35	40	45
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr		
50	55	60
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser		
65	70	75
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp		
80	85	90

Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
95 100 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 40
<211> 3
<212> PRT
<213> Homo sapiens

<220>
<223> RGD motif

<400> 40

Arg Gly Asp
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<210> 41
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<212> PRT
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<220>
<223> RAD motif

<400> 41

Arg Ala Asp
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<210> 42
<211> 3
<212> PRT
<213> Mus musculus

<220>
<223> RYD motif

<400> 42

Arg Tyr Asp
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<210> 43
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu

1 5

<210> 44

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD3 part

<400> 44

Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 45

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD4 part

<400> 45

Val Trp Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 46

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 46

Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 47

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD11 part

<400> 47

Val Trp Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 48

<211> 9

<212> PRT

<213> Homo sapiens

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<223> RAD12 part

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Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 49

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD32 part

<400> 49

Val Trp Cys Arg Ala Asp Lys Arg Cys

1 5

<210> 50

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD34 part

<400> 50

Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 51

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 51

Val Val Cys Arg Ala Asp Arg Arg Cys

<210> 52
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

<400> 52

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 53
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<223> Anti-gp120 Fab part

<400> 53

Val Gly Pro Tyr Ser Trp Asp Asp Ser Pro Asp Gln Asn Tyr Tyr
1 5 10 15
Met Asp Val

<210> 54
<211> 18
<212> PRT
<213> Homo sapiens

<220>